

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S406	30	S404 and S405	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 21:59
S405	20605092	@ad<"20010409"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 21:59
S404	49	S402 and S403	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 21:59
S403	25390	downconvert\$4 (down adj convert\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 21:59
S402	132	S401 same ((phase with error) drift)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 21:59
S401	1625	ofdm with synchroni\$8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 21:58
S400	2	("6628738").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/03 21:58
S399	6	("6151369").URPN.	USPAT	OR	ON	2006/02/17 19:20
S398	1	("5970397").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/17 19:20

## EAST Search History

S39 7	87	S395 and S396	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 19:05
S39 6	20482314	@ad < "20010409"	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 19:05
S39 5	145	(frequency near (offset off-set (off adj set) drift\$4)) with reference same averag\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 19:05
S39 4	2224	(frequency near (offset off-set (off adj set) drift\$4)) with reference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 19:05
S33 1	20480961	@ad < "20010409"	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 19:05
S36 8	17973	(frequency near (offset off-set (off adj set) drift\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 19:03
S39 3	2	("6151369").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 18:24
S39 2	28	S390 and S391	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 18:24
S39 1	20581082	@ad < "20010409"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 18:21

## EAST Search History

S370	20581082	@ad < "20010409"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 18:21
S390	108	tuner same receiver same ofdm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 18:20
S389	23	S370 and S388	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 16:41
S388	45	((carrier near frequency) with (measur\$4 detect\$4)) same S368 same averag\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 16:41
S387	529	((carrier near frequency) with (measur\$4 detect\$4)) same S368	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 16:40
S386	13	ofdm and S385	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 16:40
S385	287	synchroni\$7 same (carrier near frequency) same pll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 16:37
S384	13	ofdm same pll same (frequency near (error))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 16:36

## EAST Search History

S38 3	11	ofdm same pll same S368	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 16:35
S38 2	8	S368 same S381	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 16:34
S38 1	206	pll same (carrier near detect\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 16:24
S38 0	0	S378 and S373	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 16:24
S37 9	0	S375 and S378	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 16:20
S37 8	52	S370 and S377	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 16:20
S37 7	155	S368 and S376	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 16:20
S37 6	459	ofdm and pll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 16:20

## EAST Search History

S37 5	45	S370 and S374	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 16:20
S37 4	83	S368 same S373	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 16:19
S37 3	1236	(carrier near frequency) with averag\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 16:18
S37 2	7	("2002/0122383").URPN.	USPAT	OR	ON	2006/02/17 16:18
S36 4	35075	reference with (carrier frequency) with detect\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 16:18
S37 1	75	S369 and S370	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 16:10
S36 0	20581082	@ad < "20010409"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 16:10
S36 9	322	S367 and S368	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 16:09
S36 7	1971	ofdm and diversity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 16:09

## EAST Search History

S36 6	17	ofdm and S365	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 16:09
S35 8	11	S357 and (frequency near (offset off-set (off adj set) drift\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 16:09
S36 5	1419	S364 same averag\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 16:01
S36 3	17	ofdm and S362	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 16:01
S36 2	1419	S359 same averag\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 15:12
S36 1	23791	S359 and S360	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 15:12
S35 9	35075	reference with (carrier frequency) with detect\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 15:11
S35 1	20581082	@ad < "20010409"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 15:11

## EAST Search History

S36	435	replay.ab. and decod\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/17 15:11
S33 8	619	averag\$4 with (frequency near (offset off-set (off adj set) drift\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 14:39
S35 7	44	S355 and S356	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 14:38
S35 6	31840	broadcast with receiver	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 14:38
S35 5	415	S353 and S351	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 14:38
S35 4	1	S349 and S351 and S353	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 14:37
S35 3	1971	ofdm and diversity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 14:31
S35 2	139	S350 and S351	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 14:31

## EAST Search History

S350	208	broadcast and S349	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 14:23
S349	979	carrier near frequency near detect\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 14:20
S348	41	S338 and S347	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:32
S347	1548	carrier near frequency near (estimat\$4 detect\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:32
S346	186	S338 and S345	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:31
S345	186	S338 and S344 and S341	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:20
S344	65727	((carrier frequency) near (estimat\$4 detect\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:19
S343	6	("6151369").URPN.	USPAT	OR	ON	2006/02/16 19:18
S342	40	S340 and S341	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/16 18:53



## EAST Search History

S34 1	20581082	@ad <= "20010408"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/16 18:53
S34 0	122	S338 and S339	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/16 18:53
S33 9	19577	ofdm dmt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/16 18:52
S33 7	13	S333 and S336	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 18:06
S33 6	1434	(offset off-set (off adj set)) near averag\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 18:06
S32 9	2490	carrier near (offset off-set (off adj set))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 18:06
S33 5	6	S330 and S334	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 18:04
S33 4	152	S329 and S333	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 18:04

## EAST Search History

S33 3	7911	(multi adj carrier) multi-carrier multicarrier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 18:04
S32 5	7911	(multi adj carrier) multi-carrier multicarrier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 18:04
S33 2	35	S330 and S331	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 17:48
S31 6	20480961	@ad < "20010409"	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 17:48
S33 0	73	S329 same averag\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 17:47
S32 7	18	S318 and S326	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 17:47
S32 8	1	"6396803".PN.	USPAT; USOCR	OR	ON	2006/02/10 17:23
S32 6	345	S314 and S325	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 17:23
S32 4	1	S323 and S314	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/10 17:22

## EAST Search History

S32 3	2	("6453237").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 17:15
S32 2	81	frequenc\$3 near (drift\$4 offset off-set (off adj set)) near averag\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 17:14
S32 1	79	frequency near (drift\$4 offset off-set (off adj set)) near averag\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 17:12
S32 0	189	S318 and (frequencies carriers)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 17:12
S31 4	12655	frequency near (drift\$4 offset off-set (off adj set))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 17:12
S31 9	2	S312 and S318	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 17:08
S31 8	297	(difference subtract\$4 minus add adding adder sum summing summer) and S317	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 17:02
S31 7	353	S315 and S316	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 17:02
S31 5	406	S314 with averag\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 17:01
S31 3	6	S310 and S312	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 17:00
S31 2	60426	multimedia (multi adj media)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 16:56

## EAST Search History

S31 1	0	lnb and S310	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 16:55
S31 0	430	averag\$4 with (frequency near (drift\$4 offset\$4))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 16:55
S30 9	23	lnb same drift	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 16:55
S30 8	1	S307 and S306	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 16:51
S30 7	1065	lnb	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 16:50
S30 6	151	drift same S305	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 16:50
S30 5	18642	carrier near (signals frequencies)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/10 16:50
S30 4	62	pll and S303	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 15:31
S30 3	195	nco with accumulat\$4	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 15:31
S30 2	190	nco with accumulat\$4	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 15:31
S30 1	72	pll and S300	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 15:31

## EAST Search History

S300	202	S298 and S299	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 15:28
S299	19830	frequency near (offset error drift)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 15:28
S298	443	nco same ((loop near filter) gain)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 15:28
S297	24	(sigma near delta same divid\$4) same pll same vco	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 15:27
S296	2	(sigma near delta same divid\$4) same pll same jitter same vco	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 14:56
S295	5	(sigma near delta with divid\$4) same pll same jitter	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 14:55
S294	2	sigma near delta with jitter with divid\$4 same pll	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 14:35
S293	9	sigma near delta with (high near frequency) same pll	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 14:34
S292	14	S291 same pll	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 14:31
S291	1539	sigma near delta with (adc or (analog near digital))	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 14:27

## EAST Search History

S289	53	((sigma near delta) with divid\$4) same pll	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 14:26
S290	14	S289 and (frequency near (error offset drift))	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 14:20
S288	2	S287 same (frequency near (error offset drift))	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 14:20
S287	80	divid\$3 same pll same (sigma near delta)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 14:18
S284	10	S283 same (frequency near (error offset drift))	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 14:18
S286	86	divid\$3 same pll same sigma	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 14:17
S285	1	divid\$3 same nco same pll same sigma	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 14:17
S283	141	(reference near frequency) same (frequency near carrier) same pll	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 14:08
S282	315	(reference near frequency) same carrier same pll	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 14:07
S281	1	(finger rake) same (reference near frequency) same carrier	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 14:07

## EAST Search History

S280	39	S279 and drift	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 13:28
S279	39	S268 and S278	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 13:28
S278	96	S277 and (carrier frequency)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 13:28
S277	102	S276 and (vco nco pll)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 13:27
S276	2248	drift with averag\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/21 13:27
S275	2025	drift with averag\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/21 13:27
S274	5	("5272627"   "5740224"   "5821541"   "6028412"   "6298459").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/21 13:27
S266	33	S264 and (vco nco pll)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 13:27
S273	90	S270 and (averag\$4 with drift)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 13:20
S272	25	S271 and (vco nco pll)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 13:19

## EAST Search History

S27 1	238	S268 and S270	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 13:17
S27 0	1562	drift near (compensation estimation)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 13:17
S26 7	33	drift near (compensation estimation)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 13:17
S26 1	0	S260 and (vco nco pll)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 13:17
S26 9	5	S267 and S268	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 13:15
S26 8	1019594	transponder cable broadcast	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 13:15
S26 5	39	S264 and S256	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 13:10
S26 4	1097	((drift motion) with (estimation compensation)) same averag\$4	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 13:10
S26 3	118	S260 and averag\$4	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 13:09
S26 2	12	S260 and carrier	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 13:09



## EAST Search History

S259	17461	(drift motion) with (estimation compensation)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 13:09
S260	260	S256 and S259	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 13:08
S257	5	(drift motion) with (estimation compensation)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/06/21 13:08
S258	0	S256 and S257	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/06/21 13:06
S256	328	348/699,416.1.ccls. and 375/240.16.ccls.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/06/21 13:06
S255	36	carrier with ((drift motion) and averag\$4)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/06/21 13:06
S254	135	carrier same ((drift motion) and averag\$4)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/06/21 11:23
S253	145	carrier same ((drift motion) and averag\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/06/21 11:23
S252	29	carrier same (drift motion) same averag\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/06/21 11:23

## EAST Search History

S25 1	33	S248 S249 S250	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/06/21 11:19
S25 0	10217	(motion drift) with averag\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 11:14
S24 9	49829	((motion drift) with (estimat\$4 compensat\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 11:14
S24 8	11571	(carrier near detect\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 11:14
S24 6	26	S245 and ((motion drift) with (estimat\$4 compensat\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 11:14
S24 4	393	S243 and (carrier near detect\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 11:14
S24 5	124	S244 and averag\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:33
S24 3	20965	carrier near remov\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:32

## EAST Search History

S24 2	13160	carrier near remov\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/21 09:32
S24 1	1	S240 and fading	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/21 18:38
S24 0	289	S239 and motion	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/21 18:38
S23 9	1493	(le near vu).xp.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/21 18:38
S23 8	5	S237 and (qam or qpsk)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/21 18:38
S23 7	301	S236 and ((multimedia or (multi near2 media)) same decod\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/21 18:31
S23 6	27965	decod\$4 with state	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/21 18:31
S23 5	25	rotator with nco	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/21 18:31
S23 4	386	( state) same decod\$4 same (restor\$4) same (switch\$4 or chang\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/21 18:31
S18 4	25	rotator with nco	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/21 18:31
S13	384	( state) same decod\$4 same (restor\$4) same (switch\$4 or chang\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/21 18:31
S7	4	S6 and (qam or qpsk)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/21 18:31

## EAST Search History

S23 3	13	S231 and 375/240.16.ccls.	USPAT	OR	ON	2005/02/25 16:16
S23 2	35	S231 and 375/240.16	USPAT	OR	ON	2005/02/25 16:16
S23 1	646	((motion ) with (estimat\$4 compensat\$4)) and averag\$4 and drift	USPAT	OR	ON	2005/02/25 16:16
S23 0	9025	((drift motion) with (estimat\$4 compensat\$4)) and averag\$4	USPAT	OR	ON	2005/02/25 16:16
S22 9	23	S228 and pll	USPAT	OR	ON	2005/02/25 16:15
S22 8	220	carrier with reference with averag\$4	USPAT	OR	ON	2005/02/25 15:48
S22 7	220	carrier with reference with averag\$\$	USPAT	OR	ON	2005/02/25 15:48
S22 6	32	S225 and (satellite transponder multimedia)	USPAT	OR	ON	2005/02/25 15:47
S22 5	99	S224 and (vco nco)	USPAT	OR	ON	2005/02/25 15:43
S22 4	183	(carrier with averag\$\$) and pll	USPAT	OR	ON	2005/02/25 15:42
S22 3	6	((carrier near detect\$4) with averag\$\$) and pll	USPAT	OR	ON	2005/02/25 15:42
S22 2	68	pll and S221	USPAT	OR	ON	2005/02/25 15:41
S22 1	494	((carrier frequency) with averag\$4 with reference) and (drift motion)	USPAT	OR	ON	2005/02/25 15:39
S22 0	450	((carrier frequency) with averag\$4 with reference) and (drift motion)	USPAT	OR	OFF	2005/02/25 15:39
S21 9	0	("2003/0135814").URPN.	USPAT	OR	OFF	2005/02/25 15:38
S21 8	45	transponder and ((drift motion) with (compensat\$ estimat\$4)) and ((frequency carrier) with averag\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:26
S21 7	22363	transponder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:25
S21 6	44	S215 and S214	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:25

## EAST Search History

S21 5	1279	375/240.16.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:08
S21 4	1730	(motion with (estimat\$4 compensat\$4)) and drift	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:08
S21 3	1	S208 and (carrier with averag\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:07
S21 1	139	S208 and carrier	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 14:49
S21 2	50	S211 and pll	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 14:48
S21 0	28	S208 and 375/240.16.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 14:48
S20 9	51	S208 and 375/240.16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 14:44
S20 8	671	motion same (estimat\$4 compensat\$4) same drift	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 14:44
S20 6	671	motion same (estimat\$4 compensat\$4) same drift	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 14:44
S20 7	51	S206 and pll	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 12:05

## EAST Search History

S20 5	617	motion same (estimat\$4 compensat\$4) same drift	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/25 12:05
S20 2	9103	motion and (estimat\$4 compensat\$4) and drift	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/25 12:05
S20 4	16	S203 and pll	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 11:58
S20 3	300	S202 and (carrier same averag\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 11:57
S20 1	46	S200 and motion and (estimat\$4 compensat\$4) and drift	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/25 11:57
S20 0	2002	S196 S197 S199	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/25 11:36
S19 9	103	708/445.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/25 11:36
S19 8	0	708/455.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/25 11:36
S19 7	1279	375/240.16.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/25 11:36
S19 6	1016	348/699,416.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/25 11:36

## EAST Search History

S19 5	21	S192 and motion and (estimat\$4 compensat\$4) and drift	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/25 11:36
S19 4	21	S192 and motion and (estimat\$4 compensat\$4) and drift	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/25 11:36
S19 1	101	708/445.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/25 11:36
S19 0	0	708/455.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/25 11:36
S18 9	745	375/240.16.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/25 11:36
S18 8	909	348/699,416.1.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/25 11:36
S19 3	1265	S192 and motion	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/25 11:35
S19 2	1430	S188 or S189 or S191	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/25 11:34
S18 7	0	708/455.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/25 11:33
S18 6	59	nco near4 advantage	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 17:57
S18 5	305	nco with advantage	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 17:57
S18 3	30	nco with filter with gain	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 17:08

## EAST Search History

S18 2	27	S179 and gain and rake	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 17:08
S18 1	4	S179 and drift and gain and rake	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 16:31
S18 0	331	S179 and drift and gain	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 16:28
S17 9	2927	numerically controlled oscillator	USPAT; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/01/31 16:28
S17 8	3	S176 and drift and rake	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 16:28
S17 7	374	S176 and drift	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 16:26
S17 6	35264	nco	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 16:26
S17 5	36	S173 and divid\$4 and sigma and delta and vco	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 16:25
S17 4	465	S173 and drift	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 16:17
S17 3	5172	375/354,376,373,375.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 16:17
S17 2	1	S171 and (sigma with pll)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 16:17
S17 1	85	S169 and S170	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 16:13



## EAST Search History

S17 0	33058	frequency with averag\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 16:13
S16 9	508	drift and S168	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 16:13
S16 8	7482	pll with divid\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 16:12
S16 7	18	drift and vco and pll and (frequency with averag\$4) and cdma	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 16:12
S16 6	40	drift and vco and (pll same (frequency with averag\$4))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 15:36
S16 5	191	drift and vco and pll and (frequency with averag\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 15:36
S16 4	963	drift and vco and pll	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/31 15:35
S16 3	4	pll and S162	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/31 15:35
S16 2	19	(US-20030133530-\$).did. or (US-5881074-\$ or US-6295094-\$ or US-6377643-\$ or US-6404828-\$ or US-6549985-\$ or US-6594795-\$ or US-6615388-\$ or US-6691268-\$ or US-6714776-\$ or US-6665362-\$ or US-6278725-\$ or US-6608858-\$ or US-5943381-\$ or US-6647055-\$ or US-6600795-\$ or US-6516038-\$). did. or (WO-3026295-\$).did. or (WO-2003026295-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2005/01/31 15:34
S16 1	0	pll and S160	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/31 15:33

## EAST Search History

S160	2	("6647055").PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/31 15:33
S159	11	S158 and S154	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 15:33
S158	10640	plurality near4 converter	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 15:08
S156	906	plurality near4 tuner	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 15:08
S157	0	S154 and S156	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 15:07
S155	59	S154 and pll	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 15:07
S154	591	S153 and (drift doppler (frequency with error) multipath)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 15:03
S153	1198	carrier with frequency with averag\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 15:02
S150	62	rake and doppler and S149	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 15:02
S152	0	S151 and S149	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/31 14:27
S151	3	("6608858").PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/31 14:27

## EAST Search History

S14 9	777144	transponder cable multimedia broadcast	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/31 14:21
S14 8	704527	transponder cable multimedia broadcast	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/31 14:21
S14 7	1	S146 and equaliz\$5	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/31 10:14
S14 6	3	("6501804").PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/31 10:14
S14 5	0	("6563893").URPN.	USPAT	OR	OFF	2005/01/31 10:14
S14 4	5	("4208630"   "4517562"   "5065450"   "5216717"   "6212397").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/28 19:31
S14 3	31	S141 and pll and nco	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 19:25
S14 2	343	S141 and pll	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 19:25
S14 1	2323	S140 and ((frequency phase drift offset shift) with averag\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 19:22
S14 0	66632	(transponder cable satellite broadcast) with signals	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 19:21
S13 9	10	S138 and pll	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 19:20
S13 8	192	S137 same averag\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 19:19

## EAST Search History

S13 7	3743	drift with signals	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 19:18
S13 6	2	qualcomm.as. and multipath.ti. and doppler.ti.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 19:18
S13 5	2	S134 and ((frequency phase drift) with averag\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 19:09
S13 4	26	((("6278725") or ("6266687") or ("5778192") or ("6157997") or ("6148043") or ("6141391") or ("6138265") or ("6119265") or ("5974095") or ("6195642") or ("6122325") or ("6049573") or ("6005640"))).PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 19:02
S13 2	0	S131 and ((frequency phase drift) with averag\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 19:02
S13 3	8	"6278725"	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 19:01
S13 1	23	((("4015238") or ("5027374") or ("5291499") or ("5295142") or ("5349608") or ("5608737") or ("5907586") or ("6189126") or ("6266687") or ("6301314") or ("6563889"))).PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 19:00
S13 0	52	((frequency or phase) with (error shift drift) with averag\$4) and (cable satellite multimedia) and (pll same averag\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 18:59
S12 9	198	((frequency or phase) with (error shift drift) with averag\$4) and (cable satellite multimedia) and pll	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 18:44
S12 8	961	((frequency or phase) with (error shift drift) with averag\$4) and (cable satellite multimedia)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 18:43

## EAST Search History

S12 3	455	(frequency with (error shift drift) with averag\$4) and (cable satellite multimedia)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 18:43
S12 7	49	pll and S126	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 17:36
S12 6	218	S124 and S125	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 17:36
S12 5	85285	carrier with frequency	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 17:35
S12 4	455	(frequency with (error shift drift) with averag\$4) and (cable satellite multimedia)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 17:35
S12 2	19099	(frequency with (error shift drift)) and (cable satellite multimedia)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 17:34
S12 1	8	S120 and frequency	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 17:34
S12 0	18	(peting near mark).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 17:31
S11 9	10	(peting near mark).in.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 17:30
S11 8	0	(petino near mark).in.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 17:29

## EAST Search History

S1	31	((SHAH near MANISH) or (GREENBERG near MARK ))in.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/28 17:29
S11 7	66	(pll same (frequency with averag\$4)) and (satellite cable transponder)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 17:10
S11 6	389	pll and (frequency with averag\$4) and (satellite cable transponder)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 17:10
S11 5	15	S114 and S113	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 17:09
S11 4	827402	satellite cable transponder	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 16:30
S11 3	46	S112 and pll	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 16:29
S11 2	289	(averag\$4 with frequency) same S110	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 16:18
S11 1	494	averag\$4 same S110	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 16:18
S11 0	9383	frequency with drift	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 16:18
S10 9	26	S108 and array	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 10:36
S10 8	91	S107 and (decod\$ with (trellis viterbi))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 10:35
S10 7	133	S106 and ((select\$4 multiplex\$4 demultiplex\$4) same decod\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 10:35

## EAST Search History

S10 6	161	S104 and (decod\$4 with (buffer))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 10:34
S10 5	563	S104 and (decod\$4 with (memory ram buffer))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 10:34
S10 4	1026	S103 and (decod\$4 with state)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 10:33
S10 3	7902	S98 or S99 or S100 or S102	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 10:33
S10 2	2125	360/51.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 10:32
S10 1	3961	360/51	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 10:32
S10 0	1670	714/794,795,796.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 10:32
S99	3673	375/242,260,262,265,340,341.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 10:32
S98	903	348/725,726,729.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 10:32
S97	9	mpeg and (transponder with decod\$4) and (replay or playback)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/16 15:19
S96	7	transponder same (shar\$5 with decod\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/16 15:13
S95	19	S94 and ((memory buffer) with array)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 10:59

## EAST Search History

S94	151	S93 and (viterbi trellis (forward tracing array))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 10:57
S93	231	S91 and S92	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 10:57
S92	132513	decod\$ same (memory buffer)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 10:56
S91	436	transponder and mpeg	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 10:56
S90	13	S88 and (replay or playback)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 10:56
S89	0	S84 and S88	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 10:55
S88	299	transponder same decod\$4 same (buffer or memory)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 10:55
S87	0	transponder same decod\$4 same (buffer or memory) same (depuncture rotator)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 10:55
S83	16	S81 and (replay or playback)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 10:55
S86	30	S84 and (decod\$4 same (memory buffer))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 10:54
S85	47	S84 and decod\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 10:45
S84	165	tivo	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 10:45



## EAST Search History

S82	19	S81 and (trellis viterbi)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 10:42
S81	534	(memory or buffer) with state with (recove\$5 chang\$4 restor\$4) with decod\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 10:31
S80	7539	(memory or buffer) with state with decod\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 10:31
S79	30	(viterbi or trellis) and S77	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/14 10:21
S78	30	(viterbi trellis) and S77	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 22:02
S77	9344	(memory near array) same decod\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 22:02
S73	9344	(memory near array) same decod\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 22:02
S76	37	S75 and S66	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 21:32
S75	2104	S73 and S74	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 21:31
S74	27566	state with decod\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 21:31
S72	58	S71 and (viterbi or trellis)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 21:31
S71	724	S70 and ((plurality with data) channel)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 21:13

## EAST Search History

S70	1004	mpeg and S69	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 21:12
S69	13333	(common shar\$) with decod\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 21:12
S68	61	S66 and S67	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 21:12
S67	685	(decod\$4 same (state with restor\$4))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 20:59
S65	23	S62 and (decod\$4 same (state with restor\$4))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 20:59
S66	75909	mpeg playback replay	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 20:58
S64	40	S62 and (decod\$4 same state same restor\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 20:49
S63	1204	S62 and (decod\$4 same state)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 20:48
S62	7019	S58 or S59 or S60	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 20:46
S61	7019	S58 S59 S60	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 20:46
S60	2125	360/51.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 20:46
S57	3960	360/51	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 20:46

## EAST Search History

S59	1669	714/794,795,796.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 20:45
S58	3673	375/242,260,262,265,340,341.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 20:45
S56	0	714/794,795,796	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 20:45
S55	0	375/242,260,262,265,340,341	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 20:45
S54	1	rassp and decod\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 20:45
S53	3	rassp	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 17:37
S52	1	S48 and decod\$4 and (state with (recover\$4 or restor\$4))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 17:37
S51	24	S48 and decod\$4 and state	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 17:02
S49	33	S48 and decod\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 16:55
S50	1	S48 and (replay or playback)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 16:54
S48	47	S46 or S47	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 16:53

## EAST Search History

S47	22	((("5778192") or ("6157997") or ("6148043") or ("6141391") or ("6138265") or ("6119265") or ("5974095") or ("6195642") or ("6122325") or ("6049573") or ("6005640"))).PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 16:53
S46	25	((("4015238") or ("5027374") or ("5291499") or ("5295142") or ("5349608") or ("5608737") or ("5907586") or ("6189126") or ("6266687") or ("6278725") or ("6301314") or ("6563889"))).PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 16:52
S45	45	playback and (decod\$4 same (memory or buffer) same (state with (restor\$4 or recov\$6)))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/13 16:51
S44	20	playback and (decod\$4 same (memory or buffer) same state) and trellis	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/13 16:39
S43	902	playback and (decod\$4 same (memory or buffer) same state)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/13 16:38
S42	5716	playback and (decod\$4 same (memory or buffer))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/13 16:38
S41	11469	playback and decod\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/13 16:37
S40	6	S38 and decod\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/13 16:37
S38	9	(replay near (buffer or memory)) and mpeg	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/13 15:24
S39	0	acs and S38	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/13 15:23
S37	4	replay.ab. and (decod\$4 same state same (recover\$4 or restor\$4))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/13 15:23

## EAST Search History

S35	3	mpeg and (decod\$4 same state same (recover\$ or restor\$4)) and (plurality near transponders)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 17:54
S34	1	S29 and (decod\$4 same state same (recover\$ or restor\$4)) and (plurality near transponders)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 17:53
S33	0	S29 and (decod\$4 same state same (recover\$ or restor\$4)) same (plurality near transponder)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 17:51
S32	5	S29 and (replay or (re near2 play)) and (decod\$4 same state same (recover\$ or restor\$4))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 17:50
S31	94	S29 and (replay or (re near2 play)) and (decod\$4 same state)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 17:49
S30	530	S29 and (replay or (re near2 play)) and decod\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 17:48
S29	52112	multimedia or (multi near media)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 17:48
S28	10	S27 and S20	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 17:48
S27	581	S26 same decod\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 17:41
S26	1183	survi\$5 with path	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 17:41
S25	504	survivor with path	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 17:40
S24	131	S20 and ((memory buffer ram rom register) with array with data)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 17:40

## EAST Search History

S23	204	S20 and ((memory buffer ram rom register) with array)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 17:37
S22	35	S20 and (trellis or viterbi)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 17:36
S21	34	S20 and viterbi	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 17:36
S20	714	( state) same decod\$4 same (restor\$4 with state)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 17:36
S19	685	( state) same decod\$4 same (restor\$4 with state)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 17:36
S18	1173	( state) same decod\$4 same (restor\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 17:36
S14	281	(( state) same decod\$4 same (restor\$4) same (switch\$4 or chang\$4)) and (buffer or memory)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 17:35
S17	9	S14 and (trellis or viterbi)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 17:34
S16	4	S14 and surviv\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 17:34
S15	3	S14 and survivor	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 17:33
S12	1173	( state) same decod\$4 same (restor\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 17:28
S11	44	( state) same decod\$4 same (replay or (re near2 play))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 17:28

## EAST Search History

S10	0	(forward with state) same decod\$4 same (replay or (re near2 play))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 17:12
S9	51	S8 and (multimedia or (multi near2 media))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/02 15:01
S8	1282	viterbi and trellis and (decod\$4 same state)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/02 15:01
S5	1133	S4 and (multimedia or (multi near2 media))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/02 15:01
S6	292	S4 and ((multimedia or (multi near2 media)) same decod\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 16:03
S4	27521	decod\$4 with state	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 16:02
S3	2	("5,734,823").PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 16:02
S2	2	decod\$4 and S1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 15:59